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Minutes and Proceedings of the American Philosophical Society.

[This heading runs over two pages.]

1768, *Jany.* 19. *Meeting at Mr. Byrne's.*

Present: Shippen, T. Bond, P. Bond, Syng, Dr. Smith, Rhoads, Bryan, Ewing, and Dr. Shippen Jr.

"Agreed to make an addition this [Tuesday] night to the number of our members . . . by the unanimous vote of all present, leaving the rule for future elections to be settled at next meeting."

Chosen: Rittenhouse, Roberts, I. Pemberton, Tilghman, Logan, Jos. Shippen Jr. Galloway, Willing, Chew, Esqrs; Drs. Cadwalader, Redman, Kuhn; Messrs. J. Pemberton, Pryor, Williamson; & J. Dickinson, Esqr.

Bond, Smith & Shippen, made a committee to request the governor [John Penn] to become Patron; and Hamilton & Allen to become members; "if they accept of this request, they be considered as chosen this night."

Bond, Rhoads, Smith & Ewing; "to revise and print off one hundred copies of the Original Plan . . . for the use of the members."

1768, *Jan.* 26. *Meeting at the Indian Queen.*

Present: Syng, Galloway, P. Bond, Tilghman, Jos. Shippen, Kuhn, T. Bond, Cadwalader, Shippen, Shippen Jun. Pryor, Dr. Smith, Ewing, E. Shippen & Williamson.

Committee report that the governor & other two gentlemen "were pleased in a very polite manner to accept the proposal of the Society."

"The question being put—'How many members being met (either by regular notice or adjournment) should have power to chuse [*sic*] new members, make rules, or dispose of any part of the Society's stock?'

"It was unanimously agreed—That Twelve members being thus met, or any larger number, Two Thirds of the whole shall have power to proceed and to do any part or parts of the business aforesaid.

"But that when any new member is to be chosen after this night, he

shall be proposed at one meeting, and voted for by Ballot at the next ensuing meeting, if a sufficient number . . . . be convened . . . . it be [ing] inserted in the notices that this is to be part of the business of the meeting."

Chosen: Kinnersley, Moore, Reynall, Lardner, Richardson, R. Penn, Ross, A. Allen, T. Coombs, Jas. Allen, Jon. Smith, J. Allen, Hopkinson, Stedman, Dulaney (Md.), Lee (Va.), Garden (S. C.), Stiles (R. I.), Wintrop [*sic*] of New Cambridge, Mass.

"Agreed that an application be made to the governor by Mr. Secy. Shippen, and to the Trustees of the State House, by Mr. Galloway, for the use of the Council Chamber, to hold our subsequent meetings in; and also . . . to the Trustees of the College by . . . members . . . connected with the College, to have the use of the House and Apparatus, when the Society chuse [*sic*] to meet there, or to have any experiments performed before them."

Next meeting to be in the Council Chamber (if . . .) on Tuesday, 6 P. M. for election of officers; notice to be given by Dr. T. Bond.

1768. *Feby.* 2. *Meeting at the State House.*

"N.B. The names taken down in the order the members were seated."

"James Hamilton Esqr, Dr. Cadwalader, Mr. James Allen, Mr. Tilghman, Dr. Alison, Mr. Kinnersley, Dr. Smith, Dr. Shippen jur. Mr. Rhoads, Mr. Bryan, Mr. Joseph Shippen, Dr. Thos. Bond, Mr. Willing, Mr. Ewing. Dr. Shippen, Dr. Ph. Bond, Mr. Pryor, Mr. Israel Pemberton, Mr. Syng, Mr. Combes, Dr. Williamson & Mr. Jonathan Smith.

"The following Paper from sundry Gentlemen of this City was read, viz.

"A Society having subsisted for some time in this City under the name of the American [*] Society held at Philadelphia for promoting and propagating useful Knowledge, whose Views have been nearly the same with those which are published of the American Philosophical Society, and it being judged that the Ends proposed by both could be carried on with more advantage to the Public if an Union could take Place between them, it is proposed that such Union may take place—

* Here the word "Philosophical" was written and then erased.

"With which Paper the following List of their Names was sent——viz.

"Charles Thompson, Edmund Physick, Isaac Paschal, John Morgan, Samuel Powel, Joseph Paschal, Owen Biddle, Clement Biddle, Wm. Bettle, Isaac Bartram, Moses Bartram, John Dickinson, Cadwalader Evans, Nicholas Waln, Benjamin Davis, John Lukens, Thomas Mifflin, David Evans and James Pearson; and Corresponding members David Rittenhouse, Wm. Henry of Lancaster, Wm. Johnson of Carolina and Sam[l] Bard of New York—

"On perusal of this paper, signifying the Desire of those Gentlemen of uniting our common Design for the more effectually promoting useful Knowledge——it was resolved—

"That they be introduced among us by Election; and, on this Occasion, to dispense with that Part of Rule made at the last meeting for members, which requires their being proposed at a previous meeting, and the List of their Names being read to the Society, it was agreed to proceed immediately to ballot for them, and they were accordingly chosen agreeable to said List——

"N. B. M[r]. Dickinson, M[r]. Lukens, Charles Thompson and D[r]. Evans, having been formerly chosen in this Society are left at Liberty to come in on this, or their former Election; and M[r] Rittenhouse being only an honorary member in the above List and being a regular member of this Society, and having by Letter signified his Desire of joining it any Election of Him was thought unnecessary."

Bond & Smith, a Committee "to let the Gentlemen of the American Society know" . . . .

D[r]. Bond reported that the Governor consented to the use of the Council Chamber and that M[r]. Galloway had obtained the like consent of the Trustees of the State House.

"Agreed to meet next Tuesday at 6 o'clock at the State House for the election of Officers; and that notice," &c.

1768, *Feb'y* 9. *Meeting at the State House.*

Present: Stedman, D[r]. Shippen jun. Syng, D[r]. Alison, Jos. Shippen, Williamson, D. Smith, D[r]. T. Bond, Willing, D[r].

Shippen, Redman, Jon. Smith, Pryor, Erving, Kinnersley, Combes, Cadwalader.

Bond & Smith, reported that "the Gentlemen of the American Society" had requested a copy of the minutes, and had rec^{d} it with the following letter, viz.

"Gent. According to our Promise we send you the Minute, tho' we believe our Authority was only to read it to you, but not to copy it, because it was drawn up in Haste, and is not revised by any Order of the Society. However we give it, in Trust that you will not think it proper to enter on your Books, till it is entered on ours ; for that might occasion Difficulty in making any alteration, should any be judged expedient by you and us. ——We have only to add that everything respecting you was conducted with the greatest marks of Regard ; and that the same good Disposition appeared among our members which your Paper declares of yours, for uniting our common Design, for the advancement of Useful Knowledge.

"It was agreed among us not to admit any new Proposal of Members, besides yours, at our last Meeting, nor to proceed to the Election of Officers, which was to have been the Business of that Night, but to postpone this and every other Matter till next Tuesday, when you have an opportunity of being present to give your Votes and Advice. We are, with great Regard" &c.

" D^{r}· Shippen Jun. then produced a Paper recd from the American Society the Consideration of which was deferred till the next meeting.

" The question being put, how many Officers this Society should consist of. It was agreed that one President, Two Vice-presidents, a Treasurer & three Secretaries be chosen annually, & that the officers to be chosen this night do continue in their respective offices till the first meeting in January next. But it is not intended by this Minute to prevent the Society from encreasing the Number of V. Presidents and Secretaries, whenever they shall find occasion for it ; provided it be proposed at one meeting & such Proposal mentioned in the Notification of the ensuing meeting."

Ballot & Election.

President—Hon^{ble} James Hamilton Esq^{r}·

Vice-Presidents—D^{r}· William Shippen & D^{r}· Thos. Bond.

Treasurer—M^{r}· Philip Syng.

Secretaries—Rev^{d} D^{r}. Wm. Smith, Rev^{d} Mr. John Ewing, & D^{r}. Chas. Moore."

Ordered that Stedman, Willing & Alison, with the officers, be a Committee to revise the Minutes since the beginning of the year, "enter them fair in a Book, & prepare a Draught of some Laws or Rules to be laid before the next meeting," the 2^{d} Tuesday in March.

Jos. Shippen & D^{r}. Shippen Jr. a Committee to thank the Governor & Trustees of the State House.

1768. *March* 8. *In the State House.*

Present: His Honour the Governor, Patron; the two V. Presidents; and Cadwalader, Lardner, Tilghman, J. Allen, Rhoads, W. Shippen jun, Coombe, Alison, Lukens, Jon. Smith, Jos. Shippen, Stedman, Ed. Shippen, Willing, And. Allen, Williamson, Redman, Phin. Bond, W^{m} Smith, & Ewing.

Minute of the American Society Feby 2^{d} read & ordered to be inserted in our minutes, viz.—

"Tuesday Fby 9th 1768. At a meeting of the American Society for promoting & propagating useful Knowledge, held at Philadelphia:—

"The Minute of the American Philosophical Society of the 2^{d} Inst. which declares our Election into that Society, being considered it was unanimously determined, that as it was not on the Terms proposed, we are under a necessity of declining the union. Ordered that the Secretary deliver a Copy of this Minute to a Member of the Philosophical Society, to be laid before them—Owen Biddle Secy for the Time being."

The Committee on Laws reported a Draught, which was read corrected & ordered to be "entered in the Book of Laws, Orders, &c."

The Minutes since Monday Jany 19 "were read over, considered & approved."

Andrew M^{c}Nair was appointed Messenger & Doorkeeper; & D^{r}. Shippen junr. to learn his terms.

A fine of one Shilling for non-attendance of members at meetings was ordered as an additional by-law.

The six organic commitees were then constituted by dis-

tributing the members present among the committees; "each member signing his Name in that Committee of which he is. See the Committee Lists."

Election of new members:—

E. Duffield, S. Mifflin, D. Hall, T. Barton of Lancaster, J. Kidd, R. Smith, T. Smith, Captn Barnsley, T. Bond junr. Gov. Franklin of New Jersey, W. West, R. Proud, Jos. Fox, Jas. Dickinson, J. Rhea, I. Jones, R. S. Jones, St. Watts, S. Caldwell, E. Shippen of Lancaster, T. M^cKean of Newcastle, Rev^d M^r. Peters, Rev^d M^r. Duchè, J. Foxcroft, J. Sellers, D^r. Græme, D^r. Kearsley, & S. Purviance jun.

Adjourned for two weeks.

"The Secretaries having been first appointed to prepare Something, in conjunction with Jas. Tilghman and Edwd. Shippen junr. Esqrs. that may be proper to be published for informing ingenious Persons of the Constitution of the Society & how to correspond with or communicate any useful Papers to them. The Draught of this proposed Publication to be laid before next meeting."

1768. *March* 22.

Present at 7 o'clock V. P. Bond & Shippen; Secs. Ewing & Smith, Fox, Wm. Shippen Jr., Syng, Coombe, Rhoads, Græme, Steadman, Jos. Shippen, Dickinson.

Came in afterwards, Phin. Bond, Alison, Jon. Smith, Duffield, Williamson, Watts.

"Andrew M^cNair agrees to wait on the Society, make the Fires, light ye Candles and extinguish them, & keep the Room clean, for four shillings a Night for the current year."

D^r. Rittenhouse communicated (through D^r. Smith) a Description of his new invented Orrery.——Referred to Com. on Ast. &c. next Tuesday evening, at 6 PM. at the College.

"See the Description, No. 1, of the Book of original Papers, of—

"A Machine for the more effectual & ready Preparation of Flax, invented by M^r. Joseph Elliott of Bucks county,

was read and referred to the Committee for Mechanics &c. to meet for the consideration of it as soon as they can conveniently at the College."

Election of one new member: Mr. Oswell Eve, previously proposed.

1768. *April* 19. *At the State House.* (11 members.)

The Committee on Rittenhouse's Orrery reported that "they think Mr. Rittenhouse deserves great applause for having projected so useful and curious a machine, & that if it shall answer his Intention, which they have the greatest Reason to expect from his Known Abilities, they are of opinion that it will do honor to himself & to this Province, the Place of his Nativity; and the Committee beg Leave to recommend it to the Society to order his Description to be published; not doubting but it will give Pleasure to Persons of a curious and Philosophical Turn." It was so ordered.

Mr. Syng reported from the Com. on Elliotts Machine for Swingling Flax "that they believe it would be a useful Invention for this Country, but that a fuller Description of it would be necessary to enable them to form a proper Judgement of it." Mr. Smith was desired to write to Mr. Elliott accordingly.

"Dr. Williamson acquainted the Society that he had received from Mr. Joshua Gee of Gainsborough in England, the Description of a Plough, which he believed would be of great use in this Country & that he had a model of the Plough; which was referred to the consideration of the Committee for Mechanics and Husbandry."

"Dr. Bond communicated a new Plan for Keeping a Meteorological Register." Referred to Com. for Nat. Philosophy. See No. 2 of Original Papers."

"Mr. Ewing communicated the following Proposal, viz.

"Gentlemen. After having gone thro the Calculation & Projection of the next Transit of Venus over the Sun, on the 3d of June 1769, I find that

the Beginning and a great Part of it will be visible at Philadelphia, if the weather should be favorable. As much depends on this important Phenomenon & as Astronomy may be brought to a much greater Perfection than it has yet arrived at by a multiplicity of accurate observations made of this Transit in different parts of the World & compared together; I would hereby propose to this Society that effectual Provision be made for taking the said observations in this City. This is the more necessary as such another Opportunity will not be presented for more than a Century to come. Jno. Ewing."

"It was recommended to the Committee for Nat. Philosophy & Astronomy to consider the above Proposal & make some Estimate of the probable Expense for making the Observations & the Preparations necessary for the same."

[Then follows a list of names, without any reference or explanation of its import.] Rev^{d} M$^{r.}$ Harding, Captn M^{c}Pherson, Jas. Watson, T. Potts, Jas Wright of Lancaster Co., W^{m} Hicks, Alex. Wilcox, Rev^{d} M$^{r.}$ Bacon of Md., Jas. Biddle, J. Gibson, C. Reade of Burlington; W. Smith, W. Livingston, J. Morin Scott & Rev^{d} M$^{r.}$ Rogers of New York; Rich. Stockton & Wm. Peartree Smith of New Jersey; J. & S. Smith of Burlington; Jos. Read of Trenton; Rich. Hockly, Jas. Mease & Jas. Davidson.

1768. *May* 18. *State House.* (Rittenhouse & 14 others.)

Ewing's proposal "was further referred to the Com. for Nat. Phil. & Ast. to meet at the College, 6 PM, June 7.

Com. on Husbandry, recommended to meet at the College, Tuesday May 31, to consider "whether any method can be fallen upon for preventing the damage done to wheat by the Hessian fly. "N. B. M. Du Hamel has written on this subject."

Members proposed:—D$^{r.}$ Warner of Antigua; Hon^{ble} M$^{r.}$ Antill; M$^{r.}$ Wm. Rumsey & M$^{r.}$ H. Holiday of Md; & Rev^{d} John Davis.

Members voted for & chosen:—Rev^{d} M$^{r.}$ Harding; T. Potts; Jas. Wright; Alex. Wilcoks [*sic*]; T. Bradford; Rev^{d} M$^{r.}$ Bacon; Jas. Biddle; J. Gibson; Ch. Reade; W. Smith

of N. Y.; W. Livingston; John Morrin [*sic*] Scot [*sic*]; Rich^{d} Stockton; W^{m} Peartree Smith; John Smith; Sam. Smith; Joseph Reade [*sic*]; Rich. Hockley; M^{r} Davidson.

1768, *June* 21. (13 members.)

"D^{r} Smith laid before the Society a Projection of the ensuing Transit of Venus over the Disc of the Sun, which was communicated to him by M^{r} D. Rittenhouse of Norrington."

M^{r} Ewing read a paper containing the result of his calculations and exhibited a projection of the Transit "on a very large scale, containing all the Elements of the Projection & the Effect of the Parallaxes in Longitude & Latitude; in altering Times of Beginning and End of the Transit at Philad^{a} which the Society order to be published; See N^{o} 3 of Original Papers."

[Then follow in a letter to the Society his data in 64 closely written lines of fine handwriting, signed Jno. Ewing.]

"D^{r} Smith, M^{r} Rittenhouse, M^{r} Lukens & M^{r} Dickinson are desired to make the necessary Preparations & to observe the Transit at Norrington."

"M^{r} Ewing, D^{r} Williamson, M^{r} Joseph Shippen & M^{r} Prior are desired to erect an Observatory & make Preparation for ascertaining the Longitude of Philadelphia, & for observing the Transit, & the Society agree to defray the expenses of the said Observations in both the aforesaid Places."

The Com. for Husbandry reported a paper on the Hessian Fly by D^{r} Bond, which was read & D^{r} Bond was requested "to prepare it for the Press, that it may be communicated to the Public without Loss of Time. See N^{o} 4 of Original Papers."

"A Specimen of Wine made of American grapes with the receipt for making it was communicated by M^{r} R. S. Jones. See N^{o} 5. [The receipt follows, in six lines.]

Two samples of American Wine were exhibited by D^{r}

Alison, who was requested to obtain the receipt for making it "that it may be recommended to the Public."

A specimen of Yellow Oker from Pequea & another from Cecil Co. Md. were laid before the Society by Mr. R. Syng.

"A Magic Square containing all Numbers from Unity to 360" was shown by Mr. Ewing, who "read a Paper containing a general Rule for making such squares of any proposed Dimensions, which the Society order to be published & is as follows:—

"Gentlemen—Finding in a late Publication of Mr. Ferguson a Magic Square . . . ." [Here follow three closely and finely written pages of description, with the diagram of the Square, and a list of four of its properties: viz.]

1. The sum of the numbers in each horizontal, perpendicular or diagonal Row is 3420.
2. The sum of the numbers in each of the said Rows in any of the included Squares . . . is equal . . . . but lessening by 360 . . . .
3. The sum of any two numbers equally remote from any included Square is equal to double the central Number, or equal to 360.
4. These last mentioned numbers are the complements of each other to 360.

[Then follows a blank page numbered 22.]

1768, *July* 19. Drs T. Bond, W. Shippen & A. Kuhn, & Messrs. Ewing, Steadman, R. S. Jones, Watts & Thos. Bond, & Revd Dr. Alison.

"The Society taking into consideration the best Means of destroying Garlic out of the Fields, where it grows, have agreed by public Notice, in the News Papers to request the Favour of any Gentleman acquainted with that Subject to communicate to the Society any Method that has been found effectual for that Purpose.

"The Society would be obliged to any Gentleman that would communicate to them any Method of making Wine of the American grape, without Sugar or Water or the best way of making it with that addition."

1768, *August* 16 (*State House*). (V. P. Bond; Secs. Smith & Ewing; Stedman, Dickinson, Biddle, Pryor, Shippen junr., Kuhn, Davidson, Syng, Jones, & Williamson.)

The model of Mr. Josh. Gee's Plough was exhibited by Dr. Williamson, who read a description of it, which was ordered to be published "for the good of the Community."

"Here insert the Description of Mr. Gee's Plough" [But no such insertion was made, & no blank left for it.]

Members proposed:—Joseph Kirkbride, Esq; and Dr. Denormandie, both of Bucks county; and Mr. Vassal of Philadelphia.

Members elected:—Hon^ble^ Mr Antill of N. J.; Mesrs. Wm. Ramsey, H. Holiday & Dr. Anderson of Md.; J. Davis of Phil. Co.; Dr. E. Holyoke of Mass.; Dr. Ben. Gale of Conn.; Dr. Sandiford of Barbadoes; & Dr. Warner of Antigua.

1768, *September* 20 (*State House*). (V. P. Shippen & Bond; Sec. Ewing; Syng, Rhoades, Alison, Harding, Shippen junr. T. Bond, Jon. Smith & Dickinson.)

A specimen of Wine made of the American small black grape, without water or sugar, in 1765, "which appears to be perfectly sound and delicious to the Taste" was exhibited by Dr. Syng.

An analysis of the Chalybeate waters of "Bristol in this Province" in a letter from Dr. Denormandie;—

Specimens of Sunflower seed oil; and Cotton seed oil, with an account of them in a letter from Dr. Otto, were presented by Dr. Bond.—Thanks were ordered to the gentlemen "for their friendly communications," which were "referred to the Medical Committee to be published under their Direction, without loss of time . . . that people may be induced before the Season is too far advanced to collect the seeds and make some quantities of the Oil."

"The papers were accordingly published in the *Pennsylvania Gazette and Journal* October 6th, and are as follows, viz. [Only the title & commencement is inserted, and then "*Vid.* the *Gazette.*"]

"M^{r} Jas. Dickinson, one of the members of this Society, made the following very useful and public-spirited proposal for observing the ensuing Transit of Venus at James's Bay, and for reconnoitering and making a map of the Country from the South End of Hudson's Bay and to extend thence towards the Head of the Missisippi [*sic*]—

"Here insert M^{r} Dickinson's Proposal, as in the Gazette of Nov^{r} 18.

"M^{r} Dickenson at the same time offered to undertake in Person the Conducting of the Observation of the Transit and making the other necessary Observations of the Country, for which laudable Instance of public Spirit the Society thinks he deserves great Honor; and the Committee for Natural Philosophy & Astronomy is appointed to consider further, both of the Practicability & usefulness of this Undertaking & the probable Expense that might attend it.

"The Society, considering the expense that will attend the Observations of the Transit of Venus, already appointed to be made in this Province, as well as the additional Expense that will arise if M^{r} Dickinson's Proposal should be carried into Execution, do agree to address the hon^{ble} House of Assembly of this Province, praying their assistance in the aforesaid useful Undertakings —; and the following gentlemen are appoinnted to draw up & perfect an Address for that Purpose; viz—" D^{r} Bond, D^{r} Shippen, Stedman, Rhodes, E. Shippen, Willing, Ph. Bond, Dickinson, D^{r} Smith, & Ewing," "& to meet as soon as possible on this business."

D^{r} Shippen junr. to request Mr. Allen to write to S^{r} W^{m} Johnson to know whether the Indians would allow proper Persons to pass through their Country for the above mentioned Purposes."

Seeds of the Rose Apple sent by Capt. Reddle; a Specimen of American Rhubarb from the seeds of the Russian Rhubarb, sent by L. Antill; & some Cucumber tree, aromatic & resembling Cucumbers for Pickling, sent by Jas. Wright of Susquehanna were exhibited by D^{r} Bond & referred to the Medical Committee.

Corresponding Members proposed: D^{r} P. Burgius, Prof. N. H. Stockholm; Rev^{d} C. M. Wrangel; Christian Magee, L L D of Heidelberg; D^{r} Cullen of Edinburgh & Monsieur Buffon of Paris.

Member proposed: M^{r} Ferd. Farmer of Phil^{a}.

1768. *Oct.* 18. *State House.* (V. P. Bond; Secs. Ewing, Smith; Galloway, Barton, Willing, Coombe, Dickinson, Jones, Pryor, Bradford, T. Bond, Davis, Shippen jr. & Kuhn.)

Committee reported a draft of the Address; see Gazette of Nov. 10th. Dr. Bond reported that the Speaker had notified him "of the Success of the above Address" in the following very obliging Terms, viz—

"Mr Galloway presents his compliments to Dr Bond. The Assembly voted a sum not exceeding *One hundred Pounds Sterling* for purchasing a *reflecting* telescope &c; and he proposes to send for it by the first opportunity, agreeable to an Order of the House. He would, therefore, be glad to be furnished with any Information relative to the Construction thereof that may be thought necessary, as soon as may be"—

"The Society, considering the very Kind, generous & polite manner, in which the honble House of Assembly, from an unanimous Desire to promote useful Knowledge, and the Regulation of the Province, have been pleased to grant the Prayer of their Address aforesaid, do appoint the Committee who prepared the same, to frame another address to be presented to the House at their next Sitting, expressive of the great Gratitude with which the Society receive this Mark of the Assembly's Countenance and Protection in carrying on the Design of their Institution."

Election of 8 new members: [see list given on previous page] Denormandie, Kirkbride, Bergius, Wrangel, Magee, Cullen, Buffon, Farmer.

Corresponding members proposed: His Excellency General Gage, the Honble Sir Wm. Johnson, Bart. & Mr. Wm. Logan of Bristol.

1768. *Nov.* 15. *State House.* (V. P. Bond; Secs. Smith & Ewing; Syng, Rhoades, Pryor, Barnsley, Davidson, Jas. Allen, Shippen Jr., & T. Bond.)

The seed of the Black Alder of Jamaica, used instead of Black Pepper in that island, with an agreeable mixture of the flavor of Ginger & Pepper, & possibly of great use in Diet & Medicine, sent by Mr. Law, was presented by Dr. Bond.

Col. Landon Carter's (of Sabine Hall, Va.) "ingenious & accurate Observations concerning the Fly Weavil that de-

stroys the Wheat" were transmitted by Col. Lee. "The Society acknowledge themselves under great obligations to Col. Carter for the communication of the conclusions he has formed (on long experience) concerning that insect's propagation & progress, & the methods to be used to prevent the destruction of the wheat by it; & order it to be printed for the public benefit."

"This Society having been informed that there is a Disposition in the Members of the American Society for promoting useful Knowledge to unite with us, & that they would appoint a Committee to treat with a Committee of this Society upon the Subject; and we being desirous to promote such a Union do appoint Dr Shippen, Dr Bond, Mr Syng, Mr Rhoads, Dr Smith, & Dr Ewing to be a Committee to concert Measures & prepare the way for such Union, & to make report of their Proceedings to the next Meeting.

Mr. Thos. Brown presented a Box of Medals to the Society.

Members proposed: Gilbert Hicks of Bucks, Matthias Aspen, & Dr. Sam. Duffield of Phila.

Corresponding members proposed: Revd Chauncey Whittlesey of N. Haven, Revd Nat. Hooker, of Hartford, Revd S. West of Dartmouth, & Col. Francis Lee of Virginia.

1768, *Dec.* 20, *State House.* (V. P. Shippen & Bond; Secs. Ewing & Smith; Pemberton, Fox, Syng, Alison, Rhoades, Shippen Jr., Jones, Bradford, Farmer, Redman, Kuhn, Williamson, T. Bond, Dickinson, Davidson, Kinnersley, & Jon. Smith.)

Hignet Keeling's proposal relating to the Improvement of the Silk Manufactory was referred to the Com. on Husb. & Amer. Improvements.

Dr. Jas. Weems Moore's letter concerning the Bite of a Rattle-Snake was read & referred to the Medical Committee.

Election of members: Gage, Johnson, Logan, Hicks, Aspin [*sic*], Duffield, Whittlesay [*sic*], Hooker, West & Lee. [See above.]

"Dr. Williamson mentioned that he had received some curious Papers from Dr [blank] of Florida on Natural His-

tory &c., which were referred to the Committee of Nat. History."

"The Committee . . . to confer . . . acquainted the Society that they had drawn up their Report in Writing; which being twice read; an addition was proposed to the 4th Article & some alteration in the 5th and 8th, and some members from the other Society, having in the mean time delivered a message to this Society, importing that the other Society were now met on Purpose to wait the Result of this Society concerning the Plan of Union; Dr. Smith & Dr. Shippen junr were appointed to accompany the said members to lay before them the Proposed addition and alterations, who being returned, informed this Society that the same were cheerfully agreed to by the other Society. Then ordered that the Report & Articles as now amended, be entered on the minutes as finally settled, as follows, viz.

"The Committee appointed at last meeting of this Society to confer with the Committee of the American Society held at Philada for promoting useful Knowledge do report that they had twice met the said Committee in order to prepare the way for uniting both Societies, agreeable to the Instructions given them.

"That the first meeting was at Mr Bryne's on Tuesday Evening, November the 6th; and the whole Terms as then settled are as follows, viz.

"Whereas two Societies subsist in this City, whose Views & Ends are the same, viz. The Advancement of useful Knowledge; and it being judged that their Union would be of public Advantage; it was agreed that such *Union* should take Place, on Terms of perfect Equality; & for that Purpose it was thought reasonable—

"That a new Name, made out of the former Names of both should be fixed for the United Society, and the following Name was accordingly agreed to, viz.

"The American Philosophical Society, held at Philadelphia, for promoting Useful Knowledge."

"2. That besides the members which stand proposed, no new Members be proposed or elected by either Society till this Treaty is finished.

"3. That the first meeting of the united Society be at the College, on Monday the 2d of January next, at 6 o'Clock in the Evening.

"4. That there shall be one Patron, one President, three vice presidents, one Treasurer, four Secretaries & three Curators; & that all the said Officers be chosen by Ballot, at the first meeting, viz. the said 2d Day of January; (excepting only that instead of electing a Patron, a Committee of the united Society be appointed at said meeting, to wait on the Governor

of the Province & to request him to be Patron) which Officers shall continue in their Respective Offices till the first meeting of the United Society which shall be in January 1770; when & at every first meeting of January which shall be in every Year there shall be a new Election of Officers.

"5. That after the Union a Committee be appointed to form a new Sett* of Laws, taking in what may be thought proper out of the former Laws of both Societies.

"6. That each Society, before the first of January pay off their Respective Debts and the Treasurers of the former Societies shall account & settle with the New Treasurer to be chosen & pay him the Balances in their Hands.

"7. That the Books & all the Curiosities &c of the former Societies be deposited in the Cabinet or elsewhere as the United Society shall direct.

"8. That in the joint Publication which it may be thought proper to make of the Transactions of the former Societies, no preference shall be given to the Papers of either, but they shall be arranged & digested according to their Subjects & Dates.

"9. That there shall be a New Book of the future Transactions of the United Society; beginning with the following Preface, or Declaration, viz.

"Whereas [a repetition of the above]

"This Book therefore is to contain only the Transactions of the United Society under the Name aforesaid. What further relates to the Terms of union, as, well as the former Transactions of each Society, being antecedent to the Commencement of this Book, may be found in the old Books deposited in the Cabinet."

"Dr. Smith informs the Society that he had received from Mr. Barton some very interesting Papers written by Mayor Rogers concerning the Trade &c at Michilimackinack, which were referred to the Com. on Trade & Commerce."

"Mr. Thos. Bond & Mr. Robt. Strettel Jones are appointed to collect the yearly Subscription money of the Members & to pay the same into the Hands of the Treasurer."

[Two blank pages follow & then four pages, ruled, of the "Laws & Regulations of the American Philosophical Society," in eleven Sections; Sect. 1. 2 & 3 "passed 26th Jany." 1768; Sect. 4, to 11, "Laws made 8th March" 1768.]

Sect. 1. On the Election of Members.

[Two blank pages follow; and then, in six columns, the autograph signatures of the members of the six Committees. At the end of the volume are 26 blank pages, of which 24 are of a more modern paper.]

* First written Set & afterwards corrected to Sett.